

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s) : Tomoyuki SHIRAI et al.  
Serial No. : To be assigned  
Filed : Herewith  
For : RAT HIGHLY SENSITIVE TO CARCINOGEN

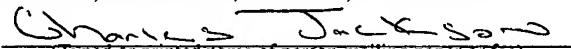
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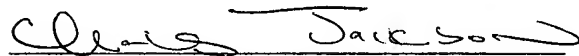
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Date of Deposit: February 23, 2004

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**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The Examiner's attention is directed to the enclosed copies of the publications which were cited in the International Search Report of International Application No. PCT/JP02/08373. Also enclosed is a copy of Form PTO-1449 and the International Search Report..

As this Information Disclosure Statement is being filed before the mailing of the first Office Action on the merits, it is believed that no fee is required for entry of this paper. However, the Commissioner is hereby authorized to charge any such fee, or credit any overpayment to Deposit Account 50-0320.

The filing of this Information Disclosure Statement is not an admission that the documents identified herein constitute prior art to the present application.

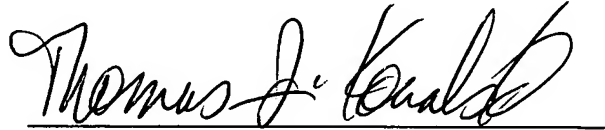
Applicants respectfully request that the Examiner considers and make of record the documents cited herewith and that a copy of Form PTO-1449 be initialed by the Examiner and returned to the undersigned.

Entry of this Information Disclosure Statement and an early examination on the merits are respectfully solicited.

Respectfully submitted,

FROMMER LAWRENCE & HAUG LLP

By:

A handwritten signature in black ink, appearing to read "Thomas J. Kowalski", written over a horizontal line.

Thomas J. Kowalski

Reg. No. 32,147

Tel. No. (212) 588-0800

Fax. No. (212) 588-0500

Based on Form PTO-1449 (3/90)  LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				ATTY. DOCKET NO.		SERIAL NO.	
				671302-2004		To be assigned	
				APPLICANT			
				Tomoyuki SHIRAI, et al			
				FILING DATE		GROUP	
				Herewith		To Be Assigned	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES      NO
	AB						
	AC						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AD		Omori et al., "Involvement of gap junctions in tumor suppression: analysis of genetically-manipulated mice", Mutation Research, Vol. 477, pp. 191-196, 2001				
	AE		Leube et al., "The topogenic fate of polytopic transmembrane proteins, synatophysin and connexin, is determined by their membrane-spanning domains", Journal of Cell Science, Vol. 108, pp. 883-894, 1995				
	AF		Rae et al., "Neoplastic Phenotype of Gap-Junctional Intercellular Communication-Deficient WB Rat Liver Epithelial Cells and its Reversal by Forced Expression of Connexin 32", Molecular Carcinogens, Vol. 22, pp. 120-127, 1998				
	AG		Yamasaki et al., "Role of Connexin (gap junction) genes in cell growth control and carcinogenesis				
EXAMINER				DATE CONSIDERED			
* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							